Q1. x3+2x, 7x2-5x+3 (a) (1.) will be the larger polanomial as x > 6 because (1) is a third degree Polynamial AND X3 will grow much faster than x2 in (2) x7-x5-x3-x x4+2x44x5-x4+273x3 (D will be larger again because the largest expenses x7 is singlegrow faster than x 1 14 one order of x (in 14 2.) (2) will be larger as x > 00 belause while (1) is the same degree polynomial, (2) governo rade over 16 x as fast. & (x4) =4x 1 (4x"-1 x3) = 16x3,3x2 4x3 < 16x3,13x2 {"Houdy", "Hollo", "Hor"} This is because the change method changes the string in the zeroth index to howdy"

 Q_{2} . $a_{1} | o_{2}(x) = 8$ 29= × = 256 b. 109, (x)=109, (2)+25 $|og_{s}(x)-log_{s}(2)=25$ $|og_{s}(\frac{x}{2})=25$ X/2 = 2 x = 4C. X = 105 (32) = 109, (16) + 109, (2) = 2 + 0.5 = 2.5 30+ Los Rules from on line math training, com